TITLE: Preparation of pyrimidine derivatives as drugs for treating disease and disorders of cerebral blood vessels

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PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan

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FAMILY ACC. NUM. COUNT: 1

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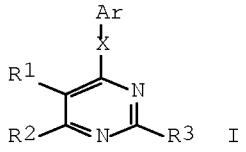
OTHER SOURCE(S): CASREACT 109:170451; MARPAT 109:170451

ED Entered STN: 12 Nov 1988

GI



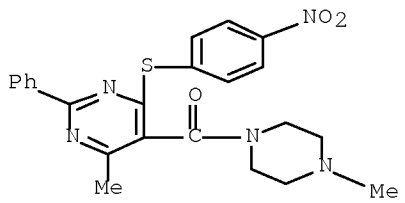
I

AB The title compds. [I; Ar = (nitro or habalkyl)aryl, fused benzene-heterocyclyl containing N or O; X = bond, lower hydroxyalkylene, lower alkenylene, NH, S, CO; R1 = (esterified) CO2H, lower hydroxyalkyl, lower haloalkyl, (N-substituted) CONH2 or lower aminoalkyl; R2 = H, lower alkyl; optionally R1R2 completing (substituted) N-containing heterocycle; R3 = aryl], were prepared as drugs e.g. for treating apoplexy. A mixture of 6-bromomethyl-4-(3-nitrophenyl)2-phenyl-5-pyrimidinecarboxylic acid Me ester and Me2NCH2CHNH2 in iso-PrOH was stirred at 70° for 1 h to give 6-[2-(dimethylamino)ethyl]4-(3-nitrophenyl)-5-oxo-2-phenyl-6,7- dihydropyrrolo[3,4-d]pyrimidine. The latter at 10 mg/kg i.p. extended the survival time of mice from 28.2 ± 1.1 s (control) to 33.6 ± 2.9 s when the mice were exposed to 100% N atmospheric

IT 116904-26-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as drug for treating apoplexy)

RN 116904-26-8 HCAPLUS

CN Piperazine, 1-methyl-4-[[6-methyl-4-[(4-nitrophenyl)thio]-2-phenyl-5-pyrimidinyl]carbonyl]- (9CI) (CA INDEX NAME)



IC ICM C07D239-28
ICS A61K031-505; C07D239-32; C07D239-42; C07D403-06; C07D413-04; C07D487-04

CC 28-16 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 1

IT 103294-21-9P 116904-11-1P 116904-12-2P 116904-13-3P 116904-14-4P
116904-15-5P 116904-16-6P 116904-17-7P 116904-18-8P 116904-19-9P
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116904-78-0P 116924-79-9P 116924-80-2P 117699-25-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as drug for treating apoplexy)